

0910707.072001
002207.072001

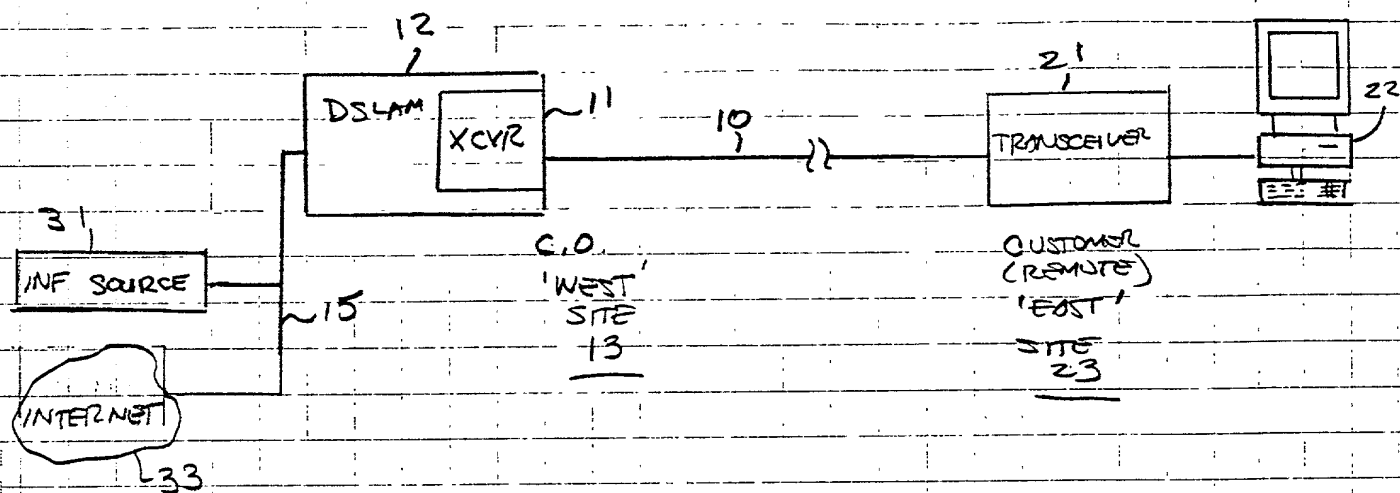


FIGURE 1 (PRIOR ART)

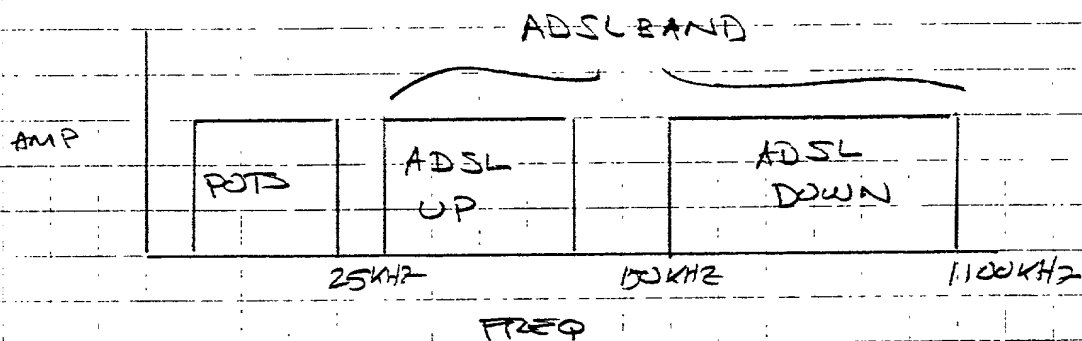


FIG 2 (PRIOR ART)

FIGURE 3

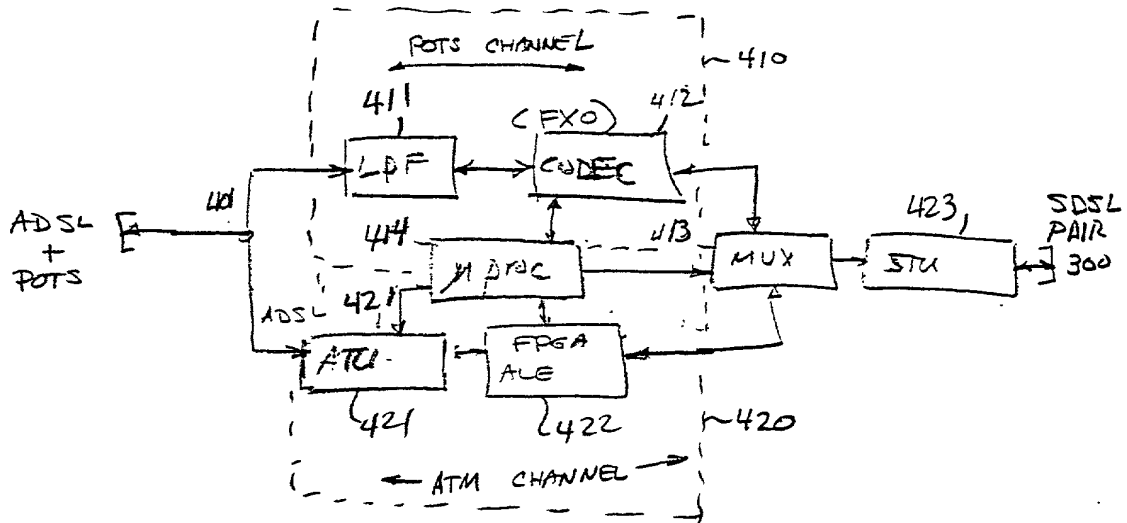
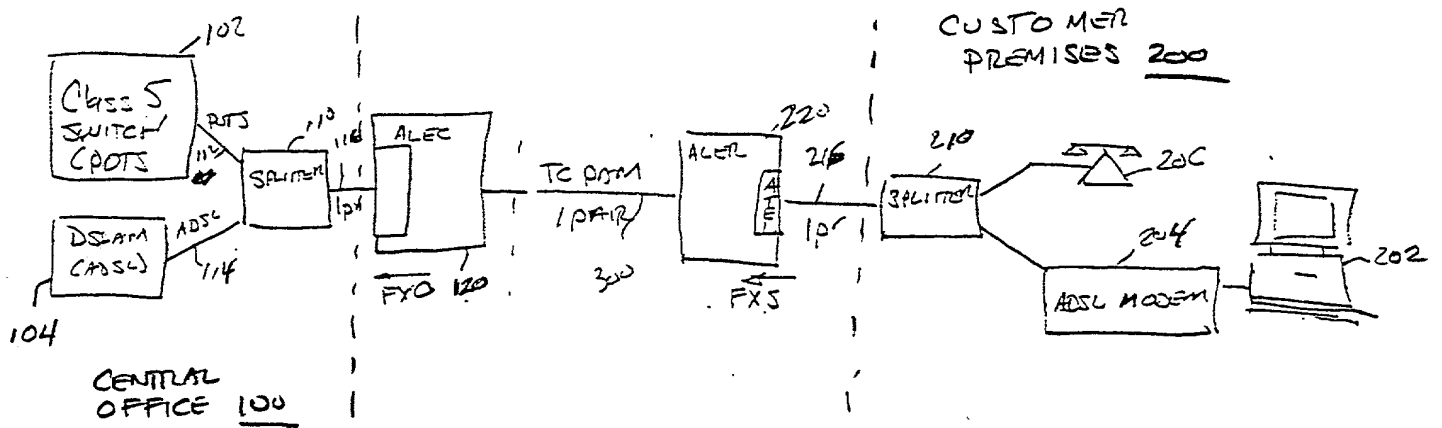
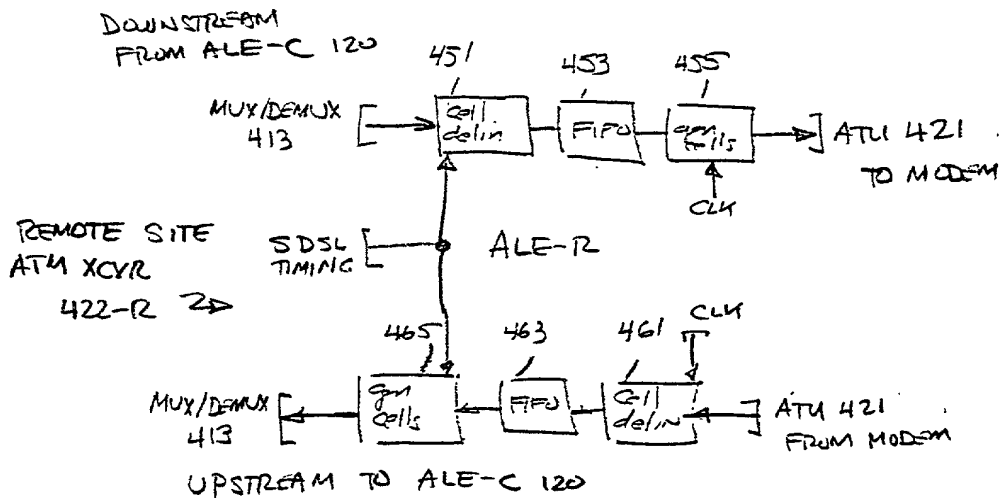
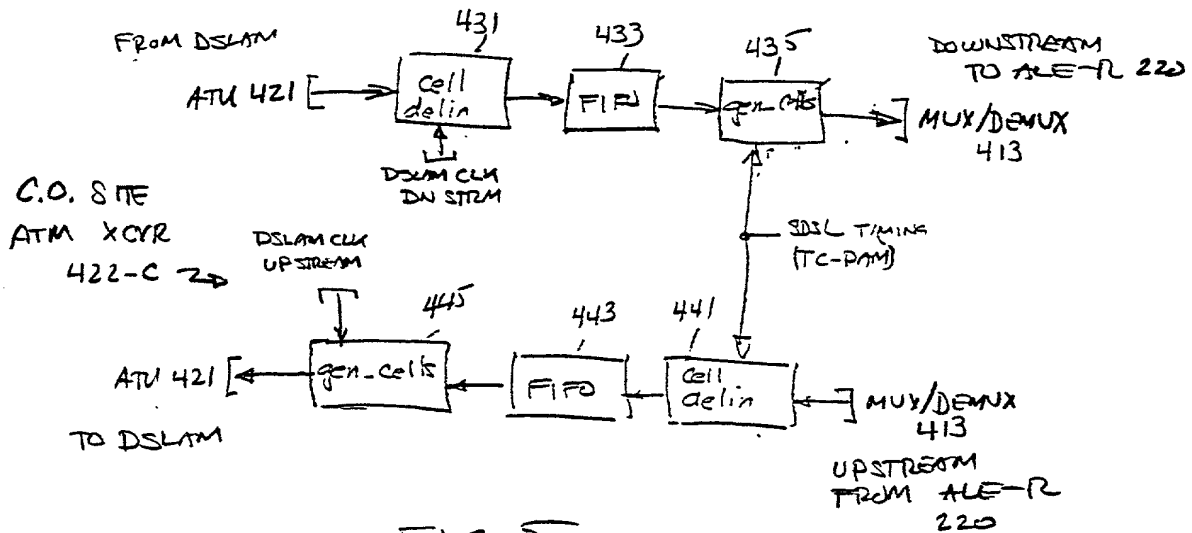


FIGURE 4



DSLAM LINK

Downstream

$N = \text{DSLAM downstream}$

$N \times 32K$

$\xrightarrow{+8K}$
IDLE CELL
INS RATE

SDSL LINK
300

$(N \times 32K) + 8K$

$\xrightarrow{+24K}$
IDLE CELL
INS RATE

ADSL Modem Link

$(N+1) \times 32K$

Upstream

if DSLAM upstream \leq SDSL rate

$M = \text{DSLAM upstream}$

$M \times 32K$

$\xleftarrow{+24K}$
IDLE CELL
INS. RATE

$[(M-1) \times 32K] + 8K$

$\xleftarrow{+8K}$
IDLE CELL
INS RATE

$(M-1) \times 32K$

if DSLAM upstream $>$ SDSL rate

$P = \text{SDSL rate}$

$M = \text{DSLAM upstream}$

$(M \times 32K)$

$[(P \times 32K)] + 8K$

$\xleftarrow{+24K}$
IDLE CELL
INS RATE

$[(M-P-1) \times 32K] + 24K$

$\xleftarrow{+8K}$
IDLE CELL
INS RATE

$P \times 32K$

FIGURE 7